

Db 460 TCGCCCGTACAGAGCGGCGCTTCTACCAAGCAAGCCTCAGTGGGTGACATCCCG 519
 QY 306 CGGACCTGCGGCTGTGCTCAACAGTGGGCTTACAGAAAGATGTGCTGCCAACCTGCTGG 365
 Db 520 CGGACCTGCGGCTGTGCTCAACAGTGGGCTTACAGAAAGATGTGCTGCCAACCTGCTGG 365
 QY 366 AGCAGAGACATAGCGGAGGTGAGAGCAGAGCGCAGCAGTGGTGGCTGGCTGCA 425
 Db 580 AGCAGAGACATAGCGGAGGTGAGAGCAGAGCGCAGCAGTGGTGGCTGGCTGCA 425
 QY 426 AGAATGCGACGCGGCGCAGCAGTGGTGGCTGGCTGGCTGGCTGGCTGGCTGG 485
 Db 640 AGAATGCGACGCGGCGCAGCAGTGGTGGCTGGCTGGCTGGCTGGCTGGCTGG 485
 QY 486 ACCGCGCCATCTACCGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG 699
 Db 700 ACCGCGCCATCTACCGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG 699
 QY 546 TCATGACAGTCTTCCGCTTCTAAGTGGGCTTAAAGTGTGACAAATTCCTCCGAGG 759
 Db 760 TCATGACAGTCTTCCGCTTCTAAGTGGGCTTAAAGTGTGACAAATTCCTCCGAGG 759
 QY 606 GGGACGTCTGACATGCGCAGTGGGCTTAAAGTGTGACAAATTCCTCCGAGG 819
 Db 820 GGGACGTCTGACATGCGCAGTGGGCTTAAAGTGTGACAAATTCCTCCGAGG 819
 QY 666 CAACGGTGTGCTCCCTGTGACAAAGTGTGACAAATTCCTCCGAGG 879
 Db 880 CAACGGTGTGCTCCCTGTGACAAAGTGTGACAAATTCCTCCGAGG 879
 QY 726 GTGCGACGAGTGTGACAAAGTGTGACAAATTCCTCCGAGG 939
 Db 940 GTGCGACGAGTGTGACAAAGTGTGACAAATTCCTCCGAGG 939
 QY 786 AGAAGATGTGCTCCGCTTCTAAGTGGGCTTAAAGTGTGACAAATTCCTCCGAGG 999
 Db 1000 AGAAGATGTGCTCCGCTTCTAAGTGGGCTTAAAGTGTGACAAATTCCTCCGAGG 999
 QY 846 TGAAGAGCTGTGCTGCTGACAAAGTGTGACAAATTCCTCCGAGG 1059
 Db 1060 TGAAGAGCTGTGCTGCTGACAAAGTGTGACAAATTCCTCCGAGG 1059
 QY 906 ACTCGACGACCTTCTGATGAGGCGCAGAGTGTGACAAATTCCTCCGAGG 965
 Db 1120 ACTCGACGACCTTCTGATGAGGCGCAGAGTGTGACAAATTCCTCCGAGG 965
 QY 966 CCATCCACAGTGGGAGCAAGAAACAGAGAGTTCATAAATTCATGAGAAATGAGAA 1179
 Db 1180 CCATCCACAGTGGGAGCAAGAAACAGAGAGTTCATAAATTCATGAGAAATGAGAA 1179
 QY 1026 ACGATGAGTGGGAGCAAGAAACAGAGAGTTCATAAATTCATGAGAAATGAGAA 1239
 Db 1240 ACGATGAGTGGGAGCAAGAAACAGAGAGTTCATAAATTCATGAGAAATGAGAA 1239
 QY 1086 TGCAGATATCCAGATGAGGAGGAGCTGCGGCTGGGAGTGGGAGGAGGAGGAGG 1294
 Db 1295 TGCAGATATCCAGATGAGGAGGAGCTGCGGCTGGGAGTGGGAGGAGGAGGAGG 1294
 QY 1146 CCGGGAACCGGCTGGGAGTTCACAGAGCTGCGCTGCTGATGAGCAATTTAATTC 1339
 Db 1340 CCGGGAACCGGCTGGGAGTTCACAGAGCTGCGCTGCTGATGAGCAATTTAATTC 1339
 QY 1206 AGTGGGCTGTGCTTGAAGATTCCTGCTGCTGATGAGCAATTTAATTC 1399
 Db 1400 AGTGGGCTGTGCTTGAAGATTCCTGCTGCTGATGAGCAATTTAATTC 1399
 QY 1266 AGGATGAGCTGGGCTGGGAGTTCAGAGGAGTTCAGAGGAGTTCAGAGGAGTTC 1459
 Db 1460 AGGATGAGCTGGGCTGGGAGTTCAGAGGAGTTCAGAGGAGTTCAGAGGAGTTC 1459
 QY 1326 CAATGAGAGAGAGAGAGTTCAGAGGAGTTCAGAGGAGTTCAGAGGAGTTC 1519
 Db 1520 CAATGAGAGAGAGAGAGTTCAGAGGAGTTCAGAGGAGTTCAGAGGAGTTC 1519

QY 1386 AGCCACTTAAACACAAAAAGGAGGATTTGGCGGAAAGTGAAGCAGAGCAAAAACTAC 1445
 Db 1580 AGCCACTTAAACACAAAAAGGAGGATTTGGCGGAAAGTGAAGCAGAGCAAAAACTAC 1445
 QY 1446 ATTTTCAACTTGTGGTGGATGATGAGTGGGATCTATGCTTTCACTAGAAAAATTC 1505
 Db 1640 ATTTTCAACTTGTGGTGGATGATGAGTGGGATCTATGCTTTCACTAGAAAAATTC 1505
 QY 1506 TAATGATGGCAAGTCAAGTGTGCTTCAAGTGGGATGATGCTTTCACTAGAAAAATTC 1699
 Db 1700 TAATGATGGCAAGTCAAGTGTGCTTCAAGTGGGATGATGCTTTCACTAGAAAAATTC 1699
 QY 1566 ATGGAACAGAGCTGATACCACTTAAAGTTCAGAGGAGGAGGAGGAGGAGGAGG 1759
 Db 1760 ATGGAACAGAGCTGATACCACTTAAAGTTCAGAGGAGGAGGAGGAGGAGGAGG 1759
 QY 1626 GGGAGGAAAGTGCAGAGTCAATTAATGATGATGACAGAAAGGAGGAGGAGGAGG 1819
 Db 1820 GGGAGGAAAGTGCAGAGTCAATTAATGATGATGACAGAAAGGAGGAGGAGGAGG 1819
 QY 1686 TTGCTTCTGCTGCGCAGAGTCTTCCGCTGATGATGCTTTGAATTCAGGAGTCT 1745
 Db 1880 TTGCTTCTGCTGCGCAGAGTCTTCCGCTGATGATGCTTTGAATTCAGGAGTCT 1745
 QY 1746 CAGATGCGCCAAAGTTCGCTTCTATGAGCGGCGGAGTATGATCCCGAGAGCATG 1805
 Db 1940 CAGATGCGCCAAAGTTCGCTTCTATGAGCGGCGGAGTATGATCCCGAGAGCATG 1805
 QY 1806 TGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1999
 Db 2000 TGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1999
 QY 1866 GAGAGGCGCATTTTGGGCTGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2059
 Db 2060 GAGAGGCGCATTTTGGGCTGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2059
 QY 1926 ACATAAGAAAAATTTTGAACAGTGCAGCAAAATTCATGAGGAGGAGGAGGAGG 2119
 Db 2120 ACATAAGAAAAATTTTGAACAGTGCAGCAAAATTCATGAGGAGGAGGAGGAGG 2119
 QY 1986 TGGGTAAGAGCTTGAATTCATGATGATGATGATGATGATGATGATGATGATGATG 2179
 Db 2180 TGGGTAAGAGCTTGAATTCATGATGATGATGATGATGATGATGATGATGATGATG 2179
 QY 2046 AATGACAAACCCCTATTTTCAAGGTTTAAACAGTTCATGAGGAGGAGGAGGAGG 2239
 Db 2240 AATGACAAACCCCTATTTTCAAGGTTTAAACAGTTCATGAGGAGGAGGAGGAGG 2239
 QY 2106 GGTGTGCTAAGAAAGTCTGCTGATCCGTCGAGGAGTGTCCGAGAGGAGGAGGAGG 2299
 Db 2300 GGTGTGCTAAGAAAGTCTGCTGATCCGTCGAGGAGTGTCCGAGAGGAGGAGGAGG 2299
 QY 2166 CCGAGGAGTTCGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2359
 Db 2360 CCGAGGAGTTCGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2359
 QY 2226 CTGAAGAGTCCGAGGAGTTCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2419
 Db 2420 CTGAAGAGTCCGAGGAGTTCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2419
 QY 2286 GGTGTGTGCTTCTGTAAGAAAGATTCCTTGAACCTTGAACCTTGAACCTTGAACCT 2479
 Db 2480 GGTGTGTGCTTCTGTAAGAAAGATTCCTTGAACCTTGAACCTTGAACCTTGAACCT 2479
 QY 2346 AATTTGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2539
 Db 2540 AATTTGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2539
 QY 2406 AATTTGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2599
 Db 2600 AATTTGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2599

Mon May 8 12:01:03

QY 2466 CATCTGACAGTTTTCCTCAAGTGCCTGAGATACCTTCCCAAGCCCTTATGTTAACTCA 2525
DB 2660 CATCTGACAGTTTTCCTCAAGTGCCTGAGATACCTTCCCAAGCCCTTATGTTAACTCA 2719
QY 2526 GCGATGATATTAAGCCAGTTTCACTTAAGCACTTACCTTCTGTCATATGACAGAA 2585
DB 2720 GCGATGATATTAAGCCAGTTTCACTTAAGCACTTACCTTCTGTCATATGACAGAA 2779
QY 2586 GTAGTTCTAAAAAAA 2601
DB 2780 GTAGTTCTAAAAAAA 2795

RESULT 2
US-09-949-016-428
Sequence 428, Application US/0949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
FILE REFERENCE: CLO01307
CURRENT APPLICATION NUMBER: US/09/949,016
PRIOR FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: PastSeq for Windows Version 4.0
SEQ ID NO 428
LENGTH: 4469
TYPE: DNA
ORGANISM: Human
US-09-949-016-428

Query Match 94.8%; Score 2465.4; DB 3; Length 4469;
Best Local Similarity 98.3%; Pred. No. 0;
Matches 2553; Conservative 0; Mismatches 16; Indels 28; Gaps 5;

QY 6 GCTGGGACCTGGGCTTTTGTCTCCCGAGGTCCTGGAAGTTTGCGGCGGAGCGCGCG 65
DB 190 GCTGGGACCTGGGCTTTTGTCTCCCGAGGTCCTGGAAGTTTGCGGCGGAGCGCGCG 249
QY 66 GGGAGGCGGAGGAGCGCCCGAGCGTCCGAGAAACAAGGCGCGAGAGCGCGCATGGGCA 125
DB 250 GGGAGGCGGAGGAGCGCCCGAGCGTCCGAGAAACAAGGCGCGAGAGCGCGCATGGGCA 309
QY 126 TCGGCGGAGCGAGGAGGAGGCGCGCGCGGAGCGGCGTGGGCGTGGGCGTGGGCG 185
DB 310 TCGGCGGAGCGAGGAGGAGGCGCGCGCGGAGCGGCGTGGGCGTGGGCGTGGGCG 366
QY 186 CGGCGCTTCTGGCGCTGGGCGTGGGCGGAGGAGTGAAGTGAAGTGAAGTGAAGTGA 245
DB 367 CGGCGCTTCTGGCGCTGGGCGTGGGCGGAGGAGTGAAGTGAAGTGAAGTGAAGTGA 426
QY 246 TCGGCGGAGCGAGGAGGAGGCGGCTTCTAACAACAAGCGACCTGAGTGGTGAATCCCG 305
DB 427 TCGGCGGAGCGAGGAGGAGGCGGCTTCTAACAACAAGCGACCTGAGTGGTGAATCCCG 486
QY 306 CGGAGCTGCGGCTGTGCGCAACAAGTGGGCTAACAAGAGTGGTGGTGGTGGTGGTGG 365
DB 487 CGGAGCTGCGGCTGTGCGCAACAAGTGGGCTAACAAGAGTGGTGGTGGTGGTGGTGG 546
QY 366 AGCAGAGCACTATGCGGAGGAGTGAAGCAGAGCGCGAGCGAGTGGGCGGCTGGTGA 425
DB 547 AGCAGAGCACTATGCGGAGGAGTGAAGCAGAGCGCGAGCGAGTGGGCGGCTGGTGA 606
QY 426 AGAAGTGCACGCGCGGAGCGCGAGTCTTCTGCTGCTGCTTCCGCGCGGCTGGCTGG 485
DB 607 AGAAGTGCACGCGCGGAGCGCGAGTCTTCTGCTGCTGCTTCCGCGCGGCTGGCTGG 666

QY 486 ACCGCGCCATCTACCCGTGTGCTGCTGCGAGGCGCGTCCGAGACTCGTCCGAGCCGG 545
DB 667 ACCGCGCCATCTACCCGTGTGCTGCTGCGAGGCGCGTCCGAGACTCGTCCGAGCCGG 726
QY 546 TCAATGAGTTCTTGGGCTTCACTGGGCGGAGTGTCTTAAGTGAAGTGTCCCGAGG 605
DB 727 TCAATGAGTTCTTGGGCTTCACTGGGCGGAGTGTCTTAAGTGAAGTGTCCCGAGG 786
QY 606 GGAAGCTGTGATGCGCATGAGCGCGCGCAATGCGCAAGGCTCCAGGCGCGAGGCA 665
DB 787 GGAAGCTGTGATGCGCATGAGCGCGCGCAATGCGCAAGGCTCCAGGCGCGAGGCA 846
QY 666 CAAGGTGTGCTCTCCCTGTGACAGAGTGAATCTGAGCGCATCTGAATCTCT 725
DB 847 CAAGGTGTGCTCTCCCTGTGACAGAGTGAATCTGAGCGCATCTGAATCTCT 906
QY 726 GTGCCAGGAGTTTGCATGAGATGAATAATTAAGAGTGAATAAAGAGAGAGGCA 785
DB 907 GTGCCAGGAGTTTGCATGAGATGAATAATTAAGAGTGAATAAAGAGAGAGGCA 966
QY 786 AGAAGATTGTCCCAAGAGAGAGAGCGCTGAAGTGGGCGCGCATCAAGAGAGAGCC 845
DB 967 AGAAGATTGTCCCAAGAGAGAGAGCGCTGAAGTGGGCGCGCATCAAGAGAGAGCC 1026
QY 846 TGAAGAGCTTGTGTGTGCTGTAAGTGAAGTGGGCTGACTGTCCCTGCAAGCTGAGCA 905
DB 1027 TGAAGAGCTTGTGTGTGCTGTAAGTGAAGTGGGCTGACTGTCCCTGCAAGCTGAGCA 1086
QY 906 ACTGAGCGACCATCTTCTCATATGAGGCGCGCAAGTGAAGCGCAAGTCTGAGCGG 965
DB 1087 ACTGAGCGACCATCTTCTCATATGAGGCGCGCAAGTGAAGCGCAAGTCTGAGCGG 1146
QY 966 CCATCCACAGTGGGAGCAAGAGAGAGAGAGTCAAAATCTTCATGAAGAGAGAGAGAG 1025
DB 1147 CCATCCACAGTGGGAGCAAGAGAGAGAGAGTCAAAATCTTCATGAAGAGAGAGAGAG 1206
QY 1026 ACCATGAGTGCCTTCTTCAAGTCCGTGTTAAGTGAATTCCTCGGCGGAGAGAGATTC 1085
DB 1207 ACCATGAGTGCCTTCTTCAAGTCCGTGTTAAGTGAATTCCTCGGCGGAGAGAGATTC 1261
QY 1086 TGCAGATATCCAGCATGAGGAGAGAGCTCGGCTGGGCTGGAGCGGCGGAGAGTGGC 1145
DB 1262 TGCAGATATCCAGCATGAGGAGAGAGCTCGGCTGGGCTGGAGCGGCGGAGAGTGGC 1306
QY 1146 CCGGAGACCCGAGTGGTGAACAACAAGCACTGCGCTGAGTGAAGCAATTTGATCC 1205
DB 1307 CCGGAGACCCGAGTGGTGAACAACAAGCACTGCGCTGAGTGAAGCAATTTGATCC 1362
QY 1206 AGTGGCTTGTCTTGAAGCATTCGCGCTCCGCTTCCTTCATGAGCAAGCTCCAAACCC 1264
DB 1363 AGTGGCTTGTCTTGAAGCATTCGCGCTCCGCTTCCTTCATGAGCAAGCTCCAAACCC 1422
QY 1265 CAGGCTAGCCGCTGCGCGGTAAGCAAGGCGCATTTAATGAAGAGTTTAAATCC 1324
DB 1423 CAGGCTAGCCGCTGCGCGGTAAGCAAGGCGCATTTAATGAAGAGTTTAAATCC 1482
QY 1325 GCAATGTGAGAGAGAGCACTGCAACAAGAGAGTGAACAATTCACACAGCAACA 1384
DB 1483 GCAATGTGAGAGAGAGCACTGCAACAAGAGAGTGAACAATTCACACAGCAACA 1542
QY 1385 CAGCACTTAACAACAAGAGAGAGAGTGGGCGGAAAGTGAAGCGAGCAAGCAACA 1444
DB 1543 CAGCACTTAACAACAAGAGAGAGAGTGGGCGGAAAGTGAAGCGAGCAAGCAACA 1602
QY 1445 CATTTTGCACTTGTGTGTGATCTATGCTGATCTATGCTTCAACTTGAAGAAAT 1504
DB 1603 CATTTTGCACTTGTGTGTGATCTATGCTGATCTATGCTTCAACTTGAAGAAAT 1662
QY 1505 CTAATGATTGGAGAGTCAAGTGTGTTTCAAGTTCAGAGTGAATTTCTTCTGCTGCTTT 1564
DB 1663 CTAATGATTGGAGAGTCAAGTGTGTTTCAAGTTCAGAGTGAATTTCTTCTGCTGCTTT 1722

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Qy 1 MGIGRSGRRGAAAGVLLAAGALLAVGSASEYDVYVSFQSDIGPYGSGRFTTKPQCVD 60
Db 1 MGIGRSGRRGAAAGVLLAAGALLAVGSASEYDVYVSFQSDIGPYGSGRFTTKPQCVD 59
Qy 61 IPADRLCHNVGYKKMVLPNLLEHETMAEVKQASWVPLNKNCHAGTOVFLCSLFAV 120
Db 60 IPADRLCHNVGYKKMVLPNLLEHETMAEVKQASWVPLNKNCHAGTOVFLCSLFAV 119
Qy 121 CLDRPIYPCRMVCEAVRDSCEPVMPFGFYWPEMLKCDKFPBGDVCIAMTPPNATBAKXP 180
Db 120 CLDRPIYPCRMVCEAVRDSCEPVMPFGFYWPEMLKCDKFPBGDVCIAMTPPNATBAKXP 179
Qy 181 OGTVVCPDNEKSEALIEHLCASEFALRMKIKKVKKENGDKIVPKKKKPLKLGPIK 240
Db 180 OGTVVCPDNEKSEALIEHLCASEFALRMKIKKVKKENGDKIVPKKKKPLKLGPIK 239
Qy 241 KOLKGLVYLKNGADCPCHQDNLNLSHFLIMGRKYSQYLTLAIHKMDKKNKEFPNFMK 300
Db 240 KOLKGLVYLKNGADCPCHQDNLNLSHFLIMGRKYSQYLTLAIHKMDKKNKEFPNFMK 299
Qy 301 MKNHECPTFGSVFK 314
Db 300 MKNHECPTFGSVFK 313

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RESULT 5
US-09-546-043-4
; Sequence 4, Application US/09546043
; Patent No. 6600018
; GENERAL INFORMATION:
; APPLICANT: Rubin, Jeffery et al.,
; TITLE OF INVENTION: SECRETED FRIZZLED RELATED PROTEIN, sFRP, FRAGMENTS AND
; FILE REFERENCE: 53990
; CURRENT APPLICATION NUMBER: US/09/546,043
; CURRENT FILING DATE: 2000-04-10
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 4
; LENGTH: 338
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-546-043-4

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Query Match 97.2% Score 1657.5; DB 2; Length 338;
Best Local Similarity 97.5%; Pred. No. 1.8e-169;
Matches 306; Conservative 1; Mismatches 6; Indels 1; Gaps 1;

Qy 1 MGIGRSGRRGAAAGVLLAAGALLAVGSASEYDVYVSFQSDIGPYGSGRFTTKPQCVD 60
Db 1 MGIGRSGRRGAAAGVLLAAGALLAVGSASEYDVYVSFQSDIGPYGSGRFTTKPQCVD 59
Qy 61 IPADRLCHNVGYKKMVLPNLLEHETMAEVKQASWVPLNKNCHAGTOVFLCSLFAV 120
Db 60 IPADRLCHNVGYKKMVLPNLLEHETMAEVKQASWVPLNKNCHAGTOVFLCSLFAV 119
Qy 121 CLDRPIYPCRMVCEAVRDSCEPVMPFGFYWPEMLKCDKFPBGDVCIAMTPPNATBAKXP 180
Db 120 CLDRPIYPCRMVCEAVRDSCEPVMPFGFYWPEMLKCDKFPBGDVCIAMTPPNATBAKXP 179
Qy 181 OGTVVCPDNEKSEALIEHLCASEFALRMKIKKVKKENGDKIVPKKKKPLKLGPIK 240
Db 180 OGTVVCPDNEKSEALIEHLCASEFALRMKIKKVKKENGDKIVPKKKKPLKLGPIK 239
Qy 241 KOLKGLVYLKNGADCPCHQDNLNLSHFLIMGRKYSQYLTLAIHKMDKKNKEFPNFMK 300
Db 240 KOLKGLVYLKNGADCPCHQDNLNLSHFLIMGRKYSQYLTLAIHKMDKKNKEFPNFMK 299
Qy 301 MKNHECPTFGSVFK 314
Db 300 MKNHECPTFGSVFK 313

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RESULT 6
US-09-087-031E-3
; Sequence 3, Application US/09087031E
; Patent No. 6479255
; GENERAL INFORMATION:
; APPLICANT: Rubin, Jeffery S.
; APPLICANT: Finch, Paul
; APPLICANT: Aaronson, Stuart
; TITLE OF INVENTION: HUMAN FRP AND FRAGMENTS THEREOF INCLUDING METHODS FOR USING THEM
; FILE REFERENCE: 11613.13US11
; CURRENT APPLICATION NUMBER: US/09/087,031E
; CURRENT FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 09/087,031
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 60/050,417
; PRIOR FILING DATE: 1997-06-23
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 3
; LENGTH: 314
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-087-031E-3

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Query Match 95.5% Score 1629; DB 2; Length 314;
Best Local Similarity 96.5%; Pred. No. 1.9e-166;
Matches 303; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

Qy 1 MGIGRSGRRGAAAGVLLAAGALLAVGSASEYDVYVSFQSDIGPYGSGRFTTKPQCVD 60
Db 1 MGIGRSGRRGAAAGVLLAAGALLAVGSASEYDVYVSFQSDIGPYGSGRFTTKPQCVD 60
Qy 61 IPADRLCHNVGYKKMVLPNLLEHETMAEVKQASWVPLNKNCHAGTOVFLCSLFAV 120
Db 60 IPADRLCHNVGYKKMVLPNLLEHETMAEVKQASWVPLNKNCHAGTOVFLCSLFAV 120
Qy 121 CLDRPIYPCRMVCEAVRDSCEPVMPFGFYWPEMLKCDKFPBGDVCIAMTPPNATBAKXP 180
Db 120 CLDRPIYPCRMVCEAVRDSCEPVMPFGFYWPEMLKCDKFPBGDVCIAMTPPNATBAKXP 180
Qy 181 OGTVVCPDNEKSEALIEHLCASEFALRMKIKKVKKENGDKIVPKKKKPLKLGPIK 240
Db 180 OGTVVCPDNEKSEALIEHLCASEFALRMKIKKVKKENGDKIVPKKKKPLKLGPIK 240
Qy 241 KOLKGLVYLKNGADCPCHQDNLNLSHFLIMGRKYSQYLTLAIHKMDKKNKEFPNFMK 300
Db 240 KOLKGLVYLKNGADCPCHQDNLNLSHFLIMGRKYSQYLTLAIHKMDKKNKEFPNFMK 300
Qy 301 MKNHECPTFGSVFK 314
Db 300 MKNHECPTFGSVFK 314

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RESULT 7
US-09-087-031E-4
; Sequence 4, Application US/09087031E
; Patent No. 6479255
; GENERAL INFORMATION:
; APPLICANT: Rubin, Jeffery S.
; APPLICANT: Finch, Paul
; APPLICANT: Aaronson, Stuart
; TITLE OF INVENTION: HUMAN FRP AND FRAGMENTS THEREOF INCLUDING METHODS FOR USING THEM
; FILE REFERENCE: 11613.13US11
; CURRENT APPLICATION NUMBER: US/09/087,031E
; CURRENT FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 09/087,031
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 60/050,417
; PRIOR FILING DATE: 1997-06-23
; NUMBER OF SEQ ID NOS: 27

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Db 3061 AAGAGCTTACGATTCATCTCATGTTTTTCTTTTCACTTTTAAAGAACATGAC 3120
 Qy 2052 AAAACCCCTATTATTTTGAAGTTTAAACAGTCTACATTGAGATTGAAAGTGTG 2111
 Db 3121 AAAACCCCTATTATTTTGAAGTTTAAACAGTCTACATTGAGATTGAAAGTGTG 3180
 Qy 2112 CTAGAACAGATCTCTGATCCGTCCGAGGCTGCTTCCAGAGAGACGCTCCCAAG 2171
 Db 3181 CTAGAACAGATCTCTGATCCGTCCGAGGCTGCTTCCAGAGAGACGCTCCCAAG 3240
 Qy 2172 CATTTGCCAGAGAGGCGGATTTCCCTGATGATGATGATGATGATGATGATGATG 2231
 Db 3241 CATTTGCCAGAGAGGCGGATTTCCCTGATGATGATGATGATGATGATGATGATG 3300
 Qy 2232 AGTCGCTGCTGCTTCCCTTAAACCTTAAACCTTAAACCTTAAACCTTAAACCTT 2291
 Db 3301 AGTCGCTGCTGCTTCCCTTAAACCTTAAACCTTAAACCTTAAACCTTAAACCTT 3360
 Qy 2292 TTTCTTCTCTGTAAGAAACATTTCTTGTGAATCTTGTGAATCTTGTGAATCTTGTGA 2351
 Db 3361 TTTCTTCTCTGTAAGAAACATTTCTTGTGAATCTTGTGAATCTTGTGAATCTTGTGA 3420
 Qy 2352 AGAACAGCTGCTGCTTCCCTTAAACCTTAAACCTTAAACCTTAAACCTTAAACCT 2411
 Db 3421 AGAACAGCTGCTGCTTCCCTTAAACCTTAAACCTTAAACCTTAAACCTTAAACCT 3480
 Qy 2412 AAAATGTACATGAGTGGGAGTGTCCCATCCAGCAGAGAGAGAGAGAGAGAGAG 2471
 Db 3481 AAAATGTACATGAGTGGGAGTGTCCCATCCAGCAGAGAGAGAGAGAGAGAGAG 3540
 Qy 2472 TGCAGTTTTCCTGCAAGGCTGCAAGGCTGCAAGGCTGCAAGGCTGCAAGGCTGCAAG 2531
 Db 3541 TGCAGTTTTCCTGCAAGGCTGCAAGGCTGCAAGGCTGCAAGGCTGCAAGGCTGCAAG 3600
 Qy 2532 TATATTAAGCAGTTCATTTAGACAACTTTACCTTCTTGTGCAATGTACAGAGAGT 2591
 Db 3601 TATATTAAGCAGTTCATTTAGACAACTTTACCTTCTTGTGCAATGTACAGAGAGT 3660
 Qy 2592 CTAAAAAAA 2601
 Db 3661 CTAAAAAAA 3670

RESULT 10
 US-08-937-067-18
 Sequence 18, Application US/08937067
 Patent No. 643155
 GENERAL INFORMATION:
 APPLICANT: Umaneky, Samuel
 TITLE OF INVENTION: A FAMILY OF GENES ENCODING
 TITLE OF INVENTION: APOPTOSIS-RELATED PEPTIDES; PEPTIDES ENCODED THEREBY AND
 NUMBER OF SEQUENCES: 19
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: MORRISON & FOERSTER
 STREET: 755 Page Mill Road
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304-1018
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/937,067
 FILING DATE:
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Lehnardt, Susan K.

REGISTRATION NUMBER: 33,943
 REFERENCE/DOCKET NUMBER: 23647-20018.00
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (650) 813-5600
 TELEFAX: (650) 494-0792
 INFORMATION FOR SEQ ID NO: 18:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1308 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 US-08-937-067-18

Query Match 41.4%; Score 1076.2; DB 3; Length 1308;
 Best Local Similarity 98.0%; Pred. No. 5,7e-245;
 Matches 1108; Conservative 0; Mismatches 3; Indels 20; Gaps 1;

Qy 6 GCTGGGAGCTGAGCTTTTGTCCCGAGGCTCCCTGGAAGTTTGGCGCGGAGCGCGG 65
 Db 189 GCTGGGAGCTGAGCTTTTGTCCCGAGGCTCCCTGGAAGTTTGGCGCGGAGCGCGG 248
 Qy 66 GGGAGGCGGCGGAGGCGGAGGCGGAGGCGGAGGCGGAGGCGGAGGCGGAGGCGG 125
 Db 249 GGGAGGCGGCGGAGGCGGAGGCGGAGGCGGAGGCGGAGGCGGAGGCGGAGGCGG 308
 Qy 126 TCGGCGGAGGCGGAGGCGGAGGCGGAGGCGGAGGCGGAGGCGGAGGCGGAGGCG 185
 Db 309 TCGGCGGAGGCGGAGGCGGAGGCGGAGGCGGAGGCGGAGGCGGAGGCGGAGGCG 368
 Qy 186 CGGCGCTTTCGCGGCTGCGGCTGCGGCTGCGGCTGCGGCTGCGGCTGCGGCTGCGG 245
 Db 369 CGGCGCTTTCGCGGCTGCGGCTGCGGCTGCGGCTGCGGCTGCGGCTGCGGCTGCGG 428
 Qy 246 TCGGCGGAGGCGGAGGCGGAGGCGGAGGCGGAGGCGGAGGCGGAGGCGGAGGCG 305
 Db 429 TCGGCGGAGGCGGAGGCGGAGGCGGAGGCGGAGGCGGAGGCGGAGGCGGAGGCG 488
 Qy 306 CGGACTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 365
 Db 489 CGGACTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 548
 Qy 366 AGCAGGAGCAGTGGGAGGAGTGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 425
 Db 549 AGCAGGAGCAGTGGGAGGAGTGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 608
 Qy 426 AGAATGCGACGCGCGGACCGAGGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 485
 Db 609 AGAATGCGACGCGCGGACCGAGGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 668
 Qy 486 ACCGCGCCATTAACCGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 545
 Db 669 ACCGCGCCATTAACCGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 728
 Qy 546 TCATGCAATTTCTTGGCTTCTTACTGCTCCGAGATCTTAAAGTGTGAACAAGTTCCCG 605
 Db 729 TCATGCAATTTCTTGGCTTCTTACTGCTCCGAGATCTTAAAGTGTGAACAAGTTCCCG 788
 Qy 606 GGGAGCTGTCATGTCGTCATGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTC 665
 Db 789 GGGAGCTGTCATGTCGTCATGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTC 848
 Qy 666 CAAGGTGTGTCTCTCTGTGAACAAGATTGAATTTGAGGCAATCTGAACATCTCT 725
 Db 849 CAAGGTGTGTCTCTCTGTGAACAAGATTGAATTTGAGGCAATCTGAACATCTCT 908
 Qy 726 GTGCCAGGAGTTTCACTGAGAGGAAATAAAGAGTGAATAAAGAGAGAGAGAGAG 785
 Db 909 GTGCCAGGAGTTTCACTGAGAGTGAATAAAGAGTGAATAAAGAGAGAGAGAGAG 968
 Qy 786 AGAAGATTGTCCCAAG 845
 Db 969 AGAAGATTGTCCCAAG 1028

Mon 8

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QY      846 TGAAGAGCTGTGCTGTACCTGAAGAAATGGGGGCTGACTGCTCCGACCAAGCTGAC 905
Db      1029 TGAAGAGCTGTGCTGTACCTGAAGAAATGGGGGCTGACTGCTCCGACCAAGCTGAC 1088
QY      906 ACCTGACCAACACTTCTCTCATCATGAGCGCCGAAAGTGAAGAGCACTTCTGTGACG 965
Db      1089 ACCTGACCAACACTTCTCTCATCATGAGCGCCGAAAGTGAAGAGCACTTCTGTGACG 1148
QY      966 CCATCCCAAGTGGGACAAAGAAAACAAGAGTTCAAAAATCTTCAATGAAGAAAATGAAA 1025
Db      1149 CCATCCCAAGTGGGACAAAGAAAACAAGAGTTCAAAAATCTTCAATGAAGAAAATGAAA 1208
QY      1026 ACCATGAGTGCCCGACCTTTCAGTCCGTTTAAATGATTCCTCCGAGGCGCAAGGAAATTC 1085
Db      1209 ACCATGAGTGCCCGACCTTTCAGTCCGTTTAAATGATTCCTCCGAGGCGCAAGGAAATTC 1263
QY      1086 TGCAGATATTCAGCATGAGGAGGAGGAGCTCCGAGTGGGGTGGAGCGAGGAGG 1136
Db      1264 -----TGGGAGGAGGAGCTCCGAGTGGGGTGGAGCGAGGAGG 1299

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RESULT 11
US-09-546-043-2
Sequence 2, Application US/09546043

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; Patent No. 6600018
; GENERAL INFORMATION:
; APPLICANT: Rudin, Jeffery et al.,
; TITLE OF INVENTION: SECRETED FRIZZLED RELATED PROTEIN, sFRP, FRAGMENTS AND
; FILE REFERENCE: 53990
; CURRENT APPLICATION NUMBER: US/09/546,043
; CURRENT FILING DATE: 2000-04-10
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2
; LENGTH: 942
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-546-043-2

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Query Match 35.1%; Score 912.6; DB 3; Length 942;
Best Local Similarity 99.3%; Pred. No. 2.9e-206;
Matches 938; Conservative 0; Mismatches 4; Indels 3; Gaps 2;

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QY      119 ATGGGCAATCGGGCGCAAGAGGAGGGGCGCGCGGAGGAGCTTGGGCGTCTGCTGCG 178
Db      1 ATGGGCAATCGGGCGCAAGAGGAGGGGCGCGCGGAGGAGCTTGGGCGTCTGCTGCG 60
QY      179 CTGGGCGCGCGGCTTCTGCGCGGCTGCGGCTCGGCGAGGAGTACGATACGATGAGCTTCCAG 238
Db      61 CTGGG--CGGGGCTTCTGCGCGGCTGCGG--CAGCGAGTACGATACGATGAGCTTCCAG 117
QY      239 TCGGACATCGGCGCGGTACAGAGCGGCGCTTCTACACCAAGCCACTCAGTGGGTGAC 298
Db      118 TCGGACATCGGCGCGGTACAGAGCGGCGCTTCTACACCAAGCCACTCAGTGGGTGAC 177
QY      299 ATCCCGCGGACCTGCGGCTGTGCAACAAGTGGGCTACAAAGAAATGATGTCCTCCCAAC 358
Db      178 ATCCCGCGGACCTGCGGCTGTGCAACAAGTGGGCTACAAAGAAATGATGTCCTCCCAAC 237
QY      359 CTGCTGAGACGAGGACCAATGAGCGGAGTGAAGACAGCGGCGACAGTGGTGGTCCCTG 418
Db      238 CTGCTGAGACGAGGACCAATGAGCGGAGTGAAGACAGCGGCGACAGTGGTGGTCCCTG 297
QY      419 CTCAACAAGACTGCAAGCGCGGACCCAGAGTCTTCTCTGCTGCTTCTGCGCCGCTC 478
Db      298 CTCAACAAGACTGCAAGCGCGGACCCAGAGTCTTCTCTGCTGCTTCTGCGCCGCTC 357
QY      479 TGCTTGAACCGGCGCAATCTACCTGCTGTGCTGCTGCTGCGAGGCGGTGCGGACTGCTG 538
Db      358 TGCTTGAACCGGCGCAATCTACCTGCTGTGCTGCTGCTGCGAGGCGGTGCGGACTGCTG 417

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QY      539 GAGCGGCTCATGACATTCTTCCGCTTCTACTGAGCCCGAGATGCTTAAATGATGACAGTTTC 598
Db      418 GAGCGGCTCATGACATTCTTCCGCTTCTACTGAGCCCGAGATGCTTAAATGATGACAGTTTC 477
QY      599 CCGAGGAGGAGAGCTTGTGATGCGATGACGCGCCCAATGTCACCGAAGCTTCCAGGCTC 658
Db      478 CCGAGGAGGAGAGCTTGTGATGCGATGACGCGCCCAATGTCACCGAAGCTTCCAGGCTC 537
QY      659 CAAGGCAACAAGGATGTCCTCCCTGTGACAAAGATGTAATCTGAGGCAATCTTAA 718
Db      538 CAAGGCAACAAGGATGTCCTCCCTGTGACAAAGATGTAATCTGAGGCAATCTTAA 597
QY      719 CATCTGTGCGCAGCGAGTTTGACTGAGATGAAAATTAAGAAAGTGAAGAAAAT 778
Db      598 CATCTGTGCGCAGCGAGTTTGACTGAGATGAAAATTAAGAAAGTGAAGAAAAT 657
QY      779 GCGCAAGAAGATTTGTCCTCCCAAGAAGAGCCCTGAAGTTGGGCGCCATCAAGAG 838
Db      658 GCGCAAGAAGATTTGTCCTCCCAAGAAGAGCCCTGAAGTTGGGCGCCATCAAGAG 717
QY      839 AAGGACCTGAAGAGCTTGTGCTGTACTCTGAAGAAATGGGGCTGACTGCTCCGACCAAG 898
Db      718 AAGGACCTGAAGAGCTTGTGCTGTACTCTGAAGAAATGGGGCTGACTGCTCCGACCAAG 777
QY      899 CTGACAACTCAGCCACCACTTCTCATCATGAGGCGCGAAGTGAAGACCAAGTCTTG 958
Db      778 CTGACAACTCAGCCACCACTTCTCATCATGAGGCGCGAAGTGAAGACCAAGTCTTG 837
QY      959 CTGACGCGCATTCACAGAGTGGGACAAAGAAAACAAGAGTTCAAAAATCTTCAATGAAGAA 1018
Db      838 CTGACGCGCATTCACAGAGTGGGACAAAGAAAACAAGAGTTCAAAAATCTTCAATGAAGAA 897
QY      1019 ATGAAAACCATGAGTGCCTCCCACTTTCAGTCCGTTTAAATGTA 1063
Db      898 ATGAAAACCATGAGTGCCTCCCACTTTCAGTCCGTTTAAATGTA 942

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RESULT 12
US-09-546-043-9
Sequence 9, Application US/09546043

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; Patent No. 6600018
; GENERAL INFORMATION:
; APPLICANT: Rudin, Jeffery et al.,
; TITLE OF INVENTION: SECRETED FRIZZLED RELATED PROTEIN, sFRP, FRAGMENTS AND
; FILE REFERENCE: 53990
; CURRENT APPLICATION NUMBER: US/09/546,043
; CURRENT FILING DATE: 2000-04-10
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 9
; LENGTH: 1017
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-546-043-9

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Query Match 35.0%; Score 909.6; DB 3; Length 1017;
Best Local Similarity 99.3%; Pred. No. 1.5e-205;
Matches 935; Conservative 0; Mismatches 4; Indels 3; Gaps 2;

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QY      119 ATGGGCAATCGGGCGCAAGAGGAGGGGCGCGCGGAGGAGCTTGGGCGTCTGCTGCG 178
Db      1 ATGGGCAATCGGGCGCAAGAGGAGGGGCGCGCGGAGGAGCTTGGGCGTCTGCTGCG 60
QY      179 CTGGGCGCGGCGCTTCTGCGCGGCTGCGGCGAGGAGTACGATACGATGAGCTTCCAG 238
Db      61 CTGGG--CGGGGCTTCTGCGCGGCTGCGG--CAGCGAGTACGATACGATGAGCTTCCAG 117
QY      239 TCGGACATCGGCGCGGTACAGAGCGGCGCTTCTACACCAAGCCACTCAGTGGGTGAC 298
Db      118 TCGGACATCGGCGCGGTACAGAGCGGCGCTTCTACACCAAGCCACTCAGTGGGTGAC 177
QY      299 ATCCCGCGGACCTGCGGCTGTGCAACAAGTGGGCTACAAAGAAATGATGTCCTCCCAAC 358

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